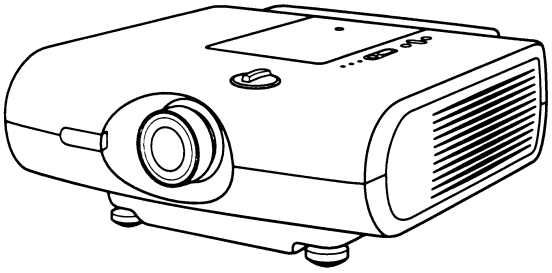
SHARP SERVICE MANUAL
SERVICE-ANLEITUNG

S09P5XV-C20E/



LCD PROJECTOR
LCD PROJEKTOR

MODEL
MODELL **XV-C20EM**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

OUTLINE

This new model has been slightly redesigned from the current made-in- Japan model XV-C20E and is manufactured in Malaysia. For servicing, refer to the XV-C20E Service Manual (S38M7XVC20E/). The made-in-Malaysia product is identified by the country-of-origin marking on the model number label.

ÜBERBLICK

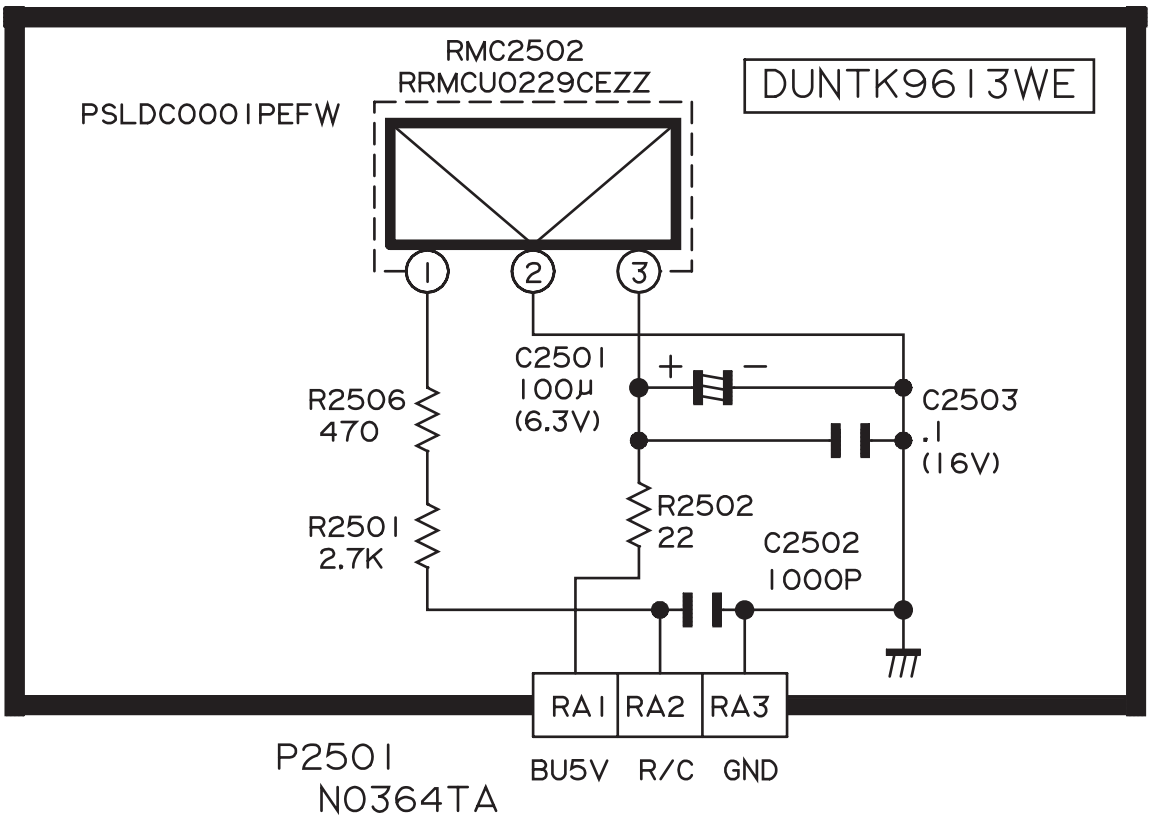
Dieses neue Modell wird in Malaysia hergestellt. Das zur Zeit in Japan gefertigte Modell XV-C20E wurde hierfür geringfügig verändert. Für die Wartung beziehen Sie sich bitte auf die Service-Anleitung (S38M7XVC20E/) des Modells XV-C20E. Das in Malaysia gefertigte Produkt wird durch die Angabe des Herstellungslands auf dem Modellnummer-Etikett gekennzeichnet.

SHARP CORPORATION

LIST OF CHANGED PARTS/LISTE DER VERÄNDERTEN BAUTEILE

Ref.No.	Description	Made in Japan	Made in Malaysia	Note
PRINTED WIRING BOARD ASSEMBLIES				
	Signal Unit (for Europe)	DUNTK9609DE01	DUNTK9609WE01	
	Signal Unit (for U.K.)	DUNTK9609DE02	DUNTK9609WE02	
	Signal Unit (for Australia and New Zealand)	DUNTK9609DE03	DUNTK9609WE03	
	Main Unit (for Europe)	DUNTK9610DE01	DUNTK9610WE01	
	Main Unit (for U.K.)	DUNTK9610DE02	DUNTK9610WE02	
	Main Unit (for Australia and New Zealand)	DUNTK9610DE03	DUNTK9610WE03	
	Output Unit (for Europe)	DUNTK9611DE01	DUNTK9611WE01	
	Output Unit (for U.K.)	DUNTK9611DE02	DUNTK9611WE02	
	Output Unit (for Australia and New Zealand)	DUNTK9611DE03	DUNTK9611WE03	
	Sub Unit (for Europe)	DUNTK9612DE01	DUNTK9612WE01	
	Sub Unit (for U.K.)	DUNTK9612DE01	DUNTK9612WE02	
	Sub Unit (for Australia and New Zealand)	DUNTK9612DE03	DUNTK9612WE03	
	R/C Receiver Unit (for Europe)	DUNTK9613DE01	DUNTK9613WE01	
	R/C Receiver Unit (for U.K.)	DUNTK9613DE02	DUNTK9613WE02	
	R/C Receiver Unit (for Australia and New Zealand)	DUNTK9613DE03	DUNTK9613WE03	
	Operation key Unit	RUNTK0618CEZZ	←	
	Power Unit	RDENC0264CEZZ	DSETU1796FMV4	
	Ballast Unit	RDENC0262CEZZ	DSETU1801FMV2	
SIGNAL UNIT				
IC802	INTEGRATED CIRCUIT	VHiTDA4665T-1	VHiTDA4665T5E	
MAIN UNIT				
	SHIELD	–	PSLDM0296PEFW	Added
	SHIELD	–	PSLDM0298PEFW	Added
	SHIELD	PSLDM4440CEFW	–	Abolished
	SHIELD	PSLDM4448CEFW	–	Abolished
INFRARED R/C RECEIVER UNIT				
C2502	CAPACITOR	–	VCKYCY1HB102K	Added
C2503	CAPACITOR	–	VCKYCY1CF104Z	Added
R2501	RESISTOR	VRS-CY1JF471J	VRS-CY1JF272J	
R2506	RESISTOR	–	VRS-CY1JF471J	Added
RMC2501	INFRARED R/C Receiver	RRMCU0196CEZZ	–	Abolished
RMC2502	INFRARED R/C Receiver	–	RRMCU0229CEZZ	Added
	R/C Shield	–	PSLDC0001PEFW	Added
CABINET AND MECHANICAL PARTS				
	(Refer to the Parts List / Siehe die Teilliste)			
SUPPLIED ACCESSORIES				
	AC Cord (for Europe)	QACCV2017CESA	QACCV2001PEZZ	
	AC Cord (for U.K.)	QACCB9014CE02	QACCB9000PEZZ	
	AC Cord (for Australia and New Zealand)	QACCL3027CESA	QACCL3015PEZZ	
	Infrared R/C Unit	RRMCG1379CESA	RRMCG1541PESA	
	Operation Manual	TiNS-6400CEZZ	TiNS-6736PEZZ	
	Operation Guide (for Europe and U.K.)	TCADH1018CEZZ	TCADH0016PEZZ	
	Register Card (for Europe)	TCADE1137CEZZ	TCADE0002PEZZ	
	Guarantee Card (for Australia and New Zealand)	TGANE0050TAZZ	TGAN-0068PEZZ	
PACKING PARTS				
	Packing Case	SPAKC5209CEZZ	SPAKC6539PEZZ	
	Polystyrene Mat	SPAKP0805CEZZ	SPAKP0145PEZZ	
	Buffer Material	SPAKX2836CEZZ	SPAKX2716PEZZ	
	Number Card	TLABK0001TAZZ	TLABK0002PEZZ	
	Serial Number Label	TLABN0157CEZZ	TLABN0001PEZZ	
	Polyethylene Mat for AC Cord	SSAKH0138CEZZ	–	Abolished

■ INFRARED R/C RECEIVER UNIT/INFRAROT-ENPFÄNGEREINHEIT



XV-C20EM

■ POWER UNIT / NETZ-EINHEIT

DSETU1796FMV4
DUNTKA001WEV4

TO DUNTKA009WEV2 NO467GE

P701	PL
V32	1
V31	2
VG	3
V+	4

C701 47µ (400V) EZ0403CE
R703 56K (2W) SZ0072CE
R704 56K (2W) SZ0072CE
R705 82K (1/2W)
R706 82K (1/2W)
R707 82K (1/2W)
R768 2.2K (1/8W)
R769 2.2K (1/10W)
IC701 M67209
D705 DX0220CE
C707 .047 (25V)
D708 1SS355
R722 1K (1/10W)
R719 4.7K (1/8W)
IC710 FX0008GE
IC709 FX0008GE
IC708 FX0008GE
IC707 FX0008GE
R746 1.8K (1/10W)
R743 1.8K (1/10W)
D727 EX0503PE
R742 1K (1/10W)
Q708 2SC1623
Q709 2SC1623
R747 22K (1/10W)
R748 22K (1/10W)
R744 22K (1/10W)
R745 22K (1/10W)
R730 10K (1/10W)
R728 560 (1/10W)
R729 560 (1/10W)
Q704 2SC1623
C709 .01µ (50V)
D707 DX0161CE
C706 100P (50V)
C708 .047µ (25V)
D710 DX0102PE
C723 1000P (1KV) KZ1026CE
D711 DX0103PE
C724 1000P (1KV) KZ1026CE
C725 1000P (1KV) KZ1026CE
D712 DX0104PE
C726 1000P (1KV) KZ1026CE
D713 DX0104PE
R720 15K (1/10W)
R721 330 (1/10W)
D728 SCR04AM
D726 EX0502PE
C728 0.01 (50V)
C705 22µ (50V)
R718 1K (1/10W)
R708 56K (1/2W)
R709 56K (1/2W)
C702 .01µ (400V)
D703 05NU42
D704 05NU42
R715 560 (1/2W) SZ0079CE
D706 1SS355
R714 560 (1/2W) SZ0079CE
C703 330P 1KV
Q701 2SC3866
R702 470K (1/2W)
R701 470K (1/2W)
RDA70 2 R0285 PE FW
C704 0.047µ (25V)
R710 47 (1/8W)
Q702 2SC3266
R711 82 (1/2W)
R712 82 (1/2W)
R713 82 (1/2W)
D702 ERA1802
R716 10K (1/10W)
D701 DX0161CE
Q703 2SC3266
R717 10K (1/10W)
R723 2.2K (1/2W)
D709 DX0102PE
C710 470P (1KV) KZ0382CE
Q705 2SB744
R726 1K (1/10W)
C711 180µ (35V) EZ1280CE
C712 2200P (250VAC) KZ0091GE
C713 2200P (250VAC) KZ0091GE
R724 8.2M (1/2W)
R725 8.2M (1/2W)
T701 Z0172PE
C714 82 (35V) EZ1281CE
R753 10K (1/2W)
C716 680µ (16V) EZ1283CE
IC702 TA7643IS
R732 2.0K(D) (1/10W)
R731 5.6K(D) (1/10W)
R733 4.7K(D) (1/10W)
C727 .047µ (50V) QZA473TA
AT 6.5V
D720 1SS355
IC704 IX1843CE
R737 .47 (2W) SZ0073CE
R740 4.7 (2W) SZ0074CE
C717 470µ (25V) EZ1097CE
R736 2.7K (1/2W)
D714 1SS355
C718 1000µ (25V)
D721 1SS355
IC705 PQ12RF11
RDA701 R0285PEFW
C720 820µ (25V) EZ1314CE
R741 2.7K (1/2W)
D717 DX0161CE
IC706 IX3339CE
C722 470µ (25V) EZ1097CE
C721 120µ (25V) EZ1284CE
D722 DX0105PE
D724 DX0105PE
D723 DX0105PE
D725 DX0105PE
R738 10K (1/8W)
R739 10K (1/8W)
D715 DX0161CE
D716 DX0161CE
C719 1000µ (25V)
C715 39 (25V) EZ1282CE

TO SUB NO878GE

EA	P705
1	AT 6.5V
2	GND
3	FAN 12
4	GND
5	LOCK
6	FAN-CTRL
7	P-CON1
8	P-CON2

TO FAN NO478GE

FA	P703
1	VCC
2	GND
3	FAN CTL
4	LOCK

TO FAN NO378GE

FB	P702
1	VCC
2	GND
3	LOCK

TO SUB NO778GE

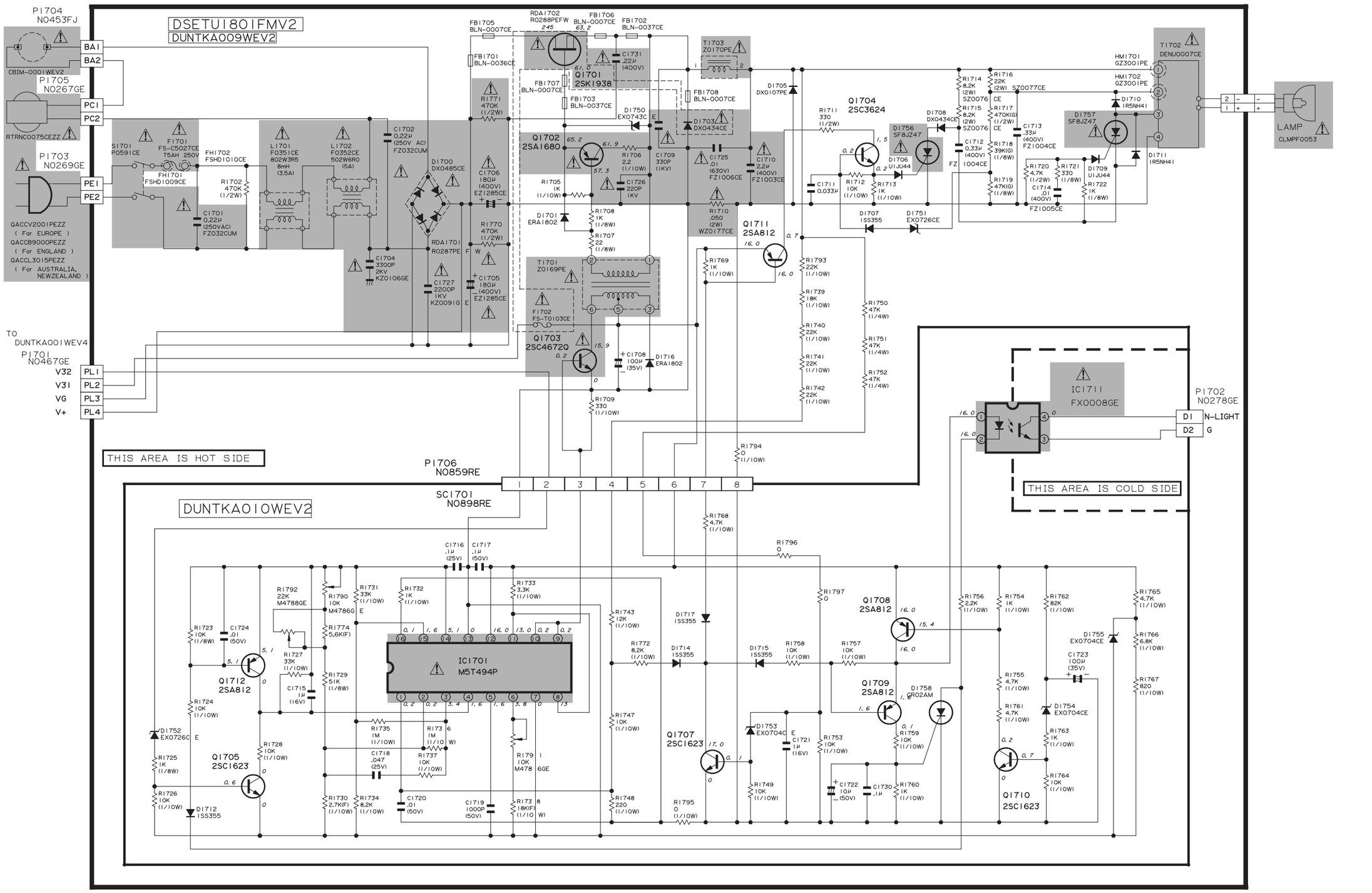
EB	P704
1	+18V
2	GND
3	+8V
4	GND
5	+12V
6	SGND
7	S12V

THIS AREA IS HOT SIDE

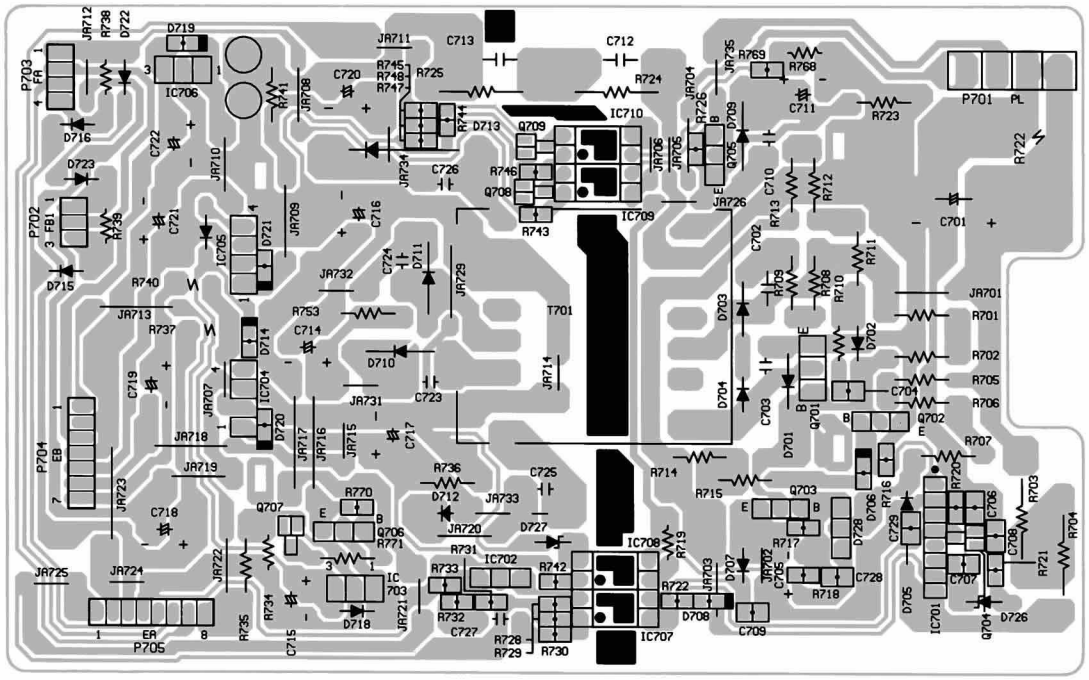
THIS AREA IS COLD SIDE

XV-C20EM

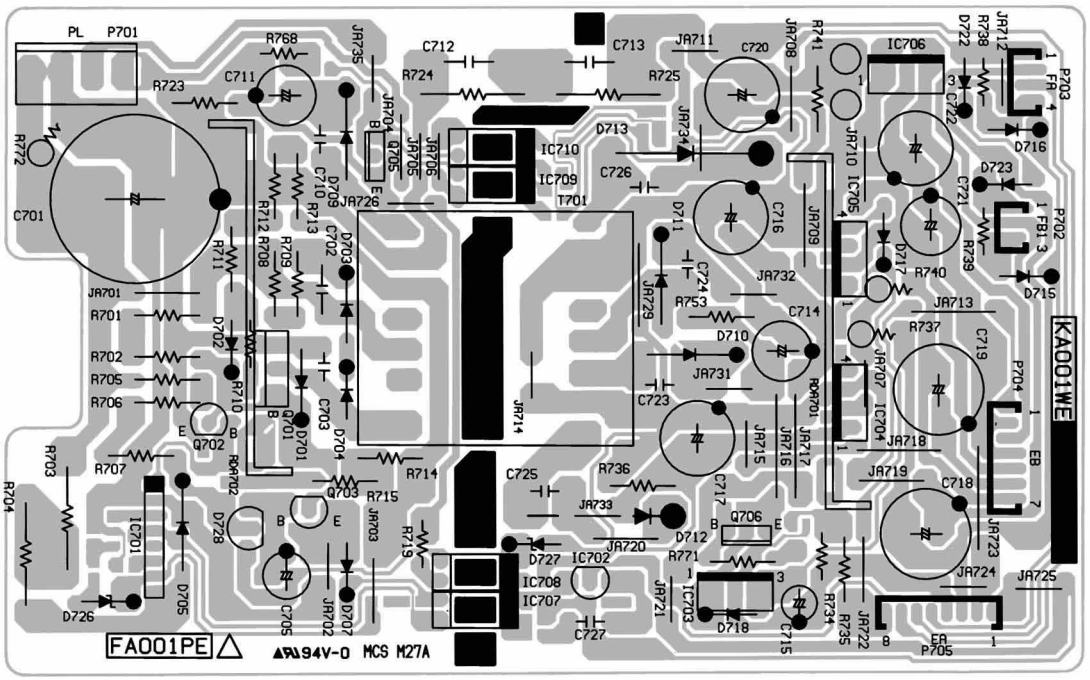
■ BALLAST UNIT / VORSCHALT-EINHEIT



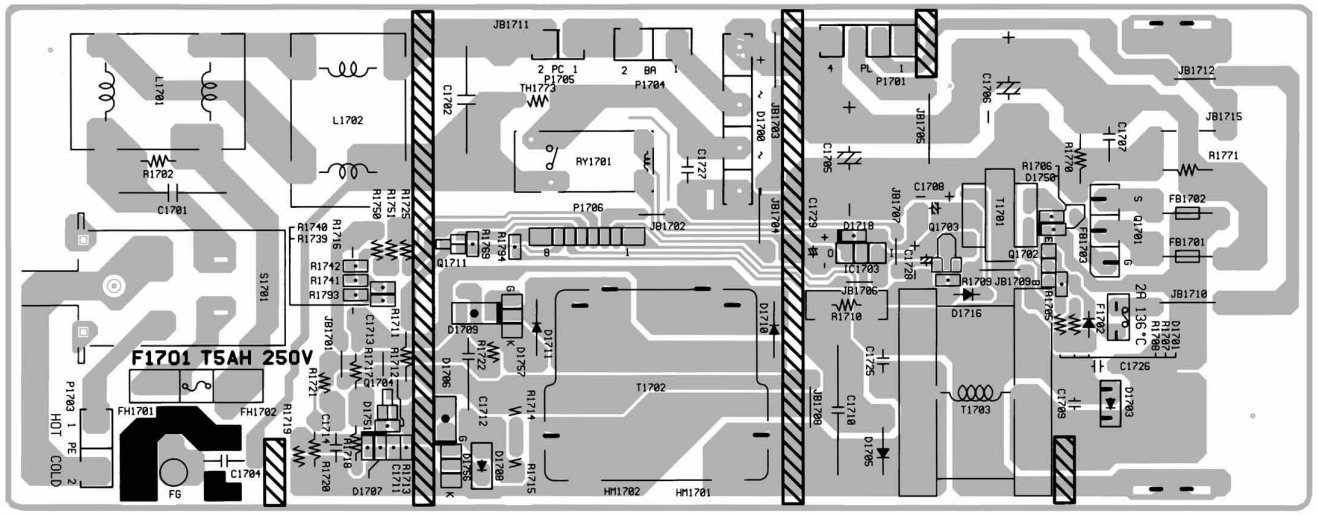
PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENEINHEITEN



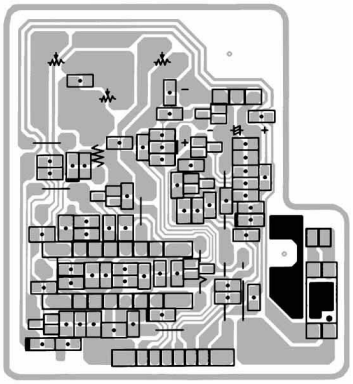
Power Unit (Wiring Side) /
Netz-Einheit (Leiterbahnseite)



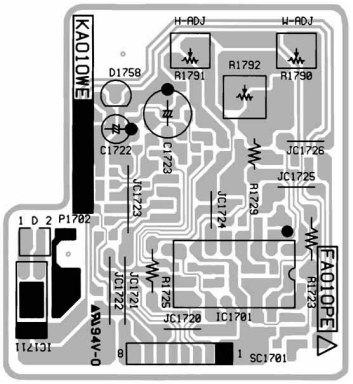
Power Unit (Component Side) /
Netz-Einheit (Bestückungsseite)



Ballast Unit (Wiring Side) / Ballasteinheit (Leiterbahnseite)

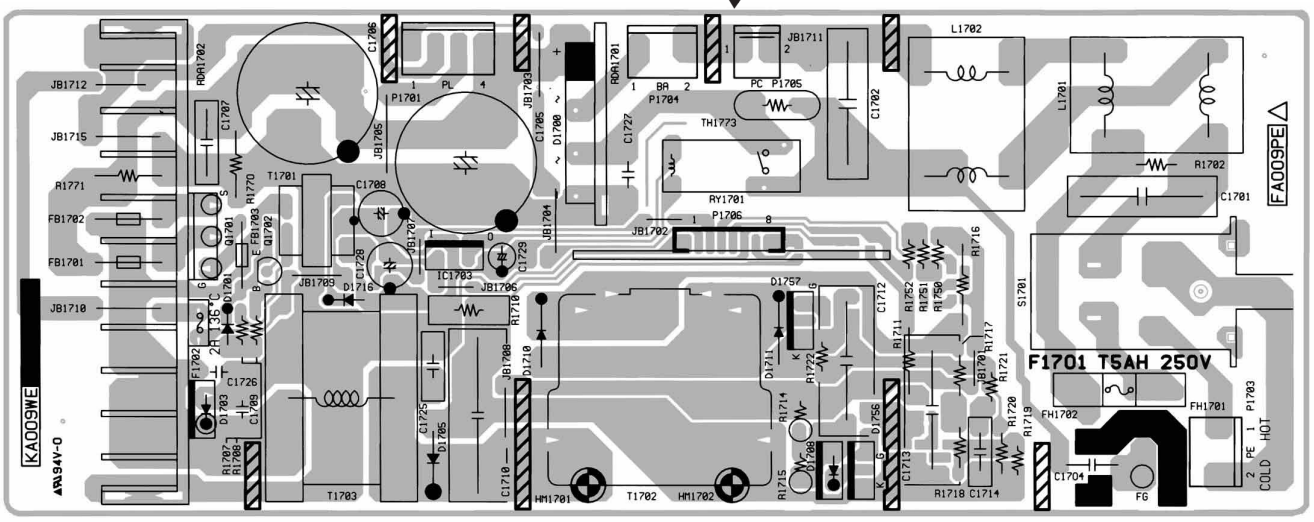


Ballast Sub Unit (Wiring Side) / Ballast-Untereinheit (Leiterbahnseite)



Ballast Sub Unit (Component Side) / Ballast-Untereinheit (Bestückungsseite)

(To P1706)



Ballast Unit (Component Side) / Ballasteinheit (Bestückungsseite)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK: SPARE PARTS-DELIVERY SECTION

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheits-eigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

	DUNTK9609WE01	–	Signal Unit (For Europe)	—
	DUNTK9609WE02	–	Signal Unit (For U.K.)	—
	DUNTK9609WE03	–	Signal Unit (For Australia and New Zealand)	—
	DUNTK9610WE01	–	Main Unit (For Europe)	—
	DUNTK9610WE02	–	Main Unit (For U.K.)	—
	DUNTK9610WE03	–	Main Unit (For Australia and New Zealand)	—
	DUNTK9611WE01	–	Output Unit (For Europe)	—
	DUNTK9611WE02	–	Output Unit (For U.K.)	—
	DUNTK9611WE03	–	Output Unit (For Australia and New Zealand)	—
	DUNTK9612WE01	–	Sub Unit (For Europe)	—
	DUNTK9612WE02	–	Sub Unit (For U.K.)	—
	DUNTK9612WE03	–	Sub Unit (For Australia and New Zealand)	—
	DUNTK9613WE01	–	Infrared R/C Receiver Unit (For Europe)	—
	DUNTK9613WE02	–	Infrared R/C Receiver Unit (For U.K.)	—
	DUNTK9613WE03	–	Infrared R/C Receiver Unit (For Australia and New Zealand)	—
	DSETU1796FMV4	–	Power Unit	—
	DSETU1801FMV2	–	Ballast Unit	—

DUNTK9609WE01/02/03
SIGNAL UNIT

INTEGRATED CIRCUIT

IC802	VHiTDA4665T5E	J	TDA4665	AN

DUNTK9610WE01/02/03
MAIN UNIT

MISCELLANEOUS PARTS

	PSLDM0296PEFW	R	Shield	AL
	PSLDM0298PEFW	R	Shield	AG

DUNTK9613WE01/02/03
INFRARED R/C RECEIVER UNIT

CAPACITORS

C2502	VCKYCY1HB102K	J	1000p	50V	Ceramic		AA
C2503	VCKYCY1CF104Z	J	0.1	16V	Ceramic		AA

RESISTORS

R2501	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide		AA
R2506	VRS-CY1JF471J	J	470	1/16W	Metal Oxide		AA

MISCELLANEOUS PARTS

RMC2502	RRMCU0229CEZZ	J	Infrared R/C Receiver				AH
	PSLDC0001PEFW	R	R/C Shield				AD

DSETU1796FMV4
POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ IC701	VHiM67209//-1	J	M67209	AT
⚠ IC702	VHiTA76431S-1	J	TA76431S	AD
⚠ IC704	RH-iX1843CEZZ	J	PQ12RF1	AF
⚠ IC705	VHiPQ12RF11-1	J	PQ12RF11	AK
⚠ IC706	RH-iX3339CEZZ	J	UPC24M08AHF	AL
⚠ IC707	RH-FX0008GEZZ	J	PC123FY8	AE
⚠ IC708	RH-FX0008GEZZ	J	PC123FY8	AE
⚠ IC709	RH-FX0008GEZZ	J	PC123FY8	AE
⚠ IC710	RH-FX0008GEZZ	J	PC123FY8	AE

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
⚠ Q701	VS2SC3866MR-1	J	2SC3866MR	AM
Q702	VS2SC3266//-1	J	2SC3266	AF
Q703	VS2SC3266//-1	J	2SC3266	AF
Q704	VS2SC1623L51E	J	2SC1623	AB
Q705	VS2SB744-Q/-1	J	2SB744(Q)	AE
Q708	VS2SC1623L51E	J	2SC1623	AB
Q709	VS2SC1623L51E	J	2SC1623	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D701	RH-DX0161CEZZ	J	Diode	AC
D702	VHDERA1802/-1	J	Diode	AB
D703	VHD05NU42//-1	J	Diode	AF
D704	VHD05NU42//-1	J	Diode	AF
D705	RH-DX0220CEZZ	J	Diode	AB
D706	VHD1SS355//-1	J	Diode	AB
D707	RH-DX0161CEZZ	J	Diode	AC
D708	VHD1SS355//-1	J	Diode	AB
⚠ D709	RH-DX0102PEZZ	R	Diode	AD
⚠ D710	RH-DX0102PEZZ	R	Diode	AD
⚠ D711	RH-DX0103PEZZ	R	Diode	AF
⚠ D712	RH-DX0104PEZZ	R	Diode	AF
⚠ D713	RH-DX0104PEZZ	R	Diode	AF
D714	VHD1SS355//-1	J	Diode	AB
D715	RH-DX0161CEZZ	J	Diode	AC
D716	RH-DX0161CEZZ	J	Diode	AC
D717	RH-DX0161CEZZ	J	Diode	AC
D719	VHD1SS355//-1	J	Diode	AB
D720	VHD1SS355//-1	J	Diode	AB
D721	VHD1SS355//-1	J	Diode	AB
D722	RH-DX0105PEZZ	R	Diode	AD
D723	RH-DX0105PEZZ	R	Diode	AD
D724	RH-DX0105PEZZ	R	Diode	AD
D725	RH-DX0105PEZZ	R	Diode	AD
D726	RH-EX0502PEZZ	R	Zener Diode	AB
D727	RH-EX0503PEZZ	R	Zener Diode	AB
D728	VHSCR04AM//-1	J	Thyristor	AF

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T701	RTRNZ0172PEZZ	R	Transformer	AW

CAPACITORS

Ref. No.	Part No.	★				Code
C701	RC-EZ0403CEZZ	J	47	400V	Electrolytic	AN
C702	VCFYJU2GA103K	J	0.01	400V	Film	AD
⚠ C703	VCKYPA3AB331K	J	330p	1kV	Ceramic	AC
C704	VCKYTV1EB473K	J	0.047	25V	Ceramic	AB
C705	VCEAVA1HN226M	J	22	50V	Electrolytic	AB
C706	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C707	VCKYTV1EB473K	J	0.047	25V	Ceramic	AB
C708	VCKYTV1EB473K	J	0.047	25V	Ceramic	AB
C709	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
⚠ C710	RC-KZ0382CEZZ	J	470p	1kV	Ceramic	AC
C711	RC-EZ1280CEZZ	J	180	35V	Electrolytic	AD
⚠ C712	RC-KZ0091GEZZ	J	2200p	AC250V	Ceramic	AC
⚠ C713	RC-KZ0091GEZZ	J	2200p	AC250V	Ceramic	AC
C714	RC-EZ1281CEZZ	J	82	35V	Electrolytic	AC
C715	RC-EZ1282CEZZ	J	39	25V	Electrolytic	AC
C716	RC-EZ1283CEZZ	J	680	16V	Electrolytic	AF
C717	RC-EZ1097CEZZ	J	470	25V	Electrolytic	AF
C718	VCEAVA1EN108M	J	1000	25V	Electrolytic	AD
C719	VCEAVA1EN108M	J	1000	25V	Electrolytic	AD
C720	RC-EZ1314CEZZ	J	820	25V	Electrolytic	AF
C721	RC-EZ1284CEZZ	J	120	25V	Electrolytic	AD
C722	RC-EZ1097CEZZ	J	470	25V	Electrolytic	AF
⚠ C723	RC-KZ1026CEZZ	J	1000p	1kV	Ceramic	AC
⚠ C724	RC-KZ1026CEZZ	J	1000p	1kV	Ceramic	AC
⚠ C725	RC-KZ1026CEZZ	J	1000p	1kV	Ceramic	AC
⚠ C726	RC-KZ1026CEZZ	J	1000p	1kV	Ceramic	AC
C727	RC-QZA473TAYK	J	0.047	50V	Film	AB
C728	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★				Code
R701	VRD-RM2HD474J	J	470k	1/2W	Carbon	AB
R702	VRD-RM2HD474J	J	470k	1/2W	Carbon	AB
R703	RR-SZ0072CEZZ	J	56k	2W	Metal Film	AC
R704	RR-SZ0072CEZZ	J	56k	2W	Metal Film	AC
R705	VRD-RM2HD823J	J	82k	1/2W	Carbon	AA
R706	VRD-RM2HD823J	J	82k	1/2W	Carbon	AA
R707	VRD-RM2HD823J	J	82k	1/2W	Carbon	AA
R708	VRD-RM2HD563J	J	56k	1/2W	Carbon	AA
R709	VRD-RM2HD563J	J	56k	1/2W	Carbon	AA
R710	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R711	VRD-RM2HD820J	J	82	1/2W	Carbon	AA
R712	VRD-RM2HD820J	J	82	1/2W	Carbon	AA
R713	VRD-RM2HD820J	J	82	1/2W	Carbon	AA
R714	RR-SZ0079CEZZ	J	560	1/2W	Metal Film	AC
R715	RR-SZ0079CEZZ	J	560	1/2W	Metal Film	AC
R716	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R717	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R718	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R719	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R720	VRS-TV1JD153J	J	15k	1/10W	Metal Oxide	AA
R721	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R722	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R723	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
⚠ R724	VRC-UA2HG825K	J	8.2M	1/2W	Solid	AA
⚠ R725	VRC-UA2HG825K	J	8.2M	1/2W	Solid	AA
R726	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R728	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA
R729	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA
R730	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R731	VRN-TV1JD562D	J	5.6k	1/10W	Metal Film	AA
R732	VRN-TV1JD202D	J	2.0k	1/10W	Metal Film	AB
R733	VRN-TV1JD472D	J	4.7k	1/10W	Metal Film	AA
R736	VRD-RM2HD272J	J	2.7k	1/2W	Carbon	AA
R737	RR-SZ0073CEZZ	J	0.47	2W	Metal Film	AD
R738	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R739	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R740	RR-SZ0074CEZZ	J	4.7	2W	Metal Film	AD
R741	VRD-RM2HD272J	J	2.7k	1/2W	Carbon	AA
R742	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R743	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R744	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R745	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R746	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R747	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R748	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R753	VRD-RM2HD103J	J	10k	1/2W	Carbon	AA
R768	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R769	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P701	QPLGN0467GEZZ	J	Plug, 4-pin (PL)	AB
P702	QPLGN0378GEZZ	J	Plug, 3-pin (FB)	AB
P703	QPLGN0478GEZZ	J	Plug, 4-pin (FA)	AB
P704	QPLGN0778GEZZ	J	Plug, 7-pin (EB)	AC
P705	QPLGN0878GEZZ	J	Plug, 8-pin (EA)	AC
RDA701	PRDAR0285PEFW	R	Heat Sink	AF
RDA702	PRDAR0285PEFW	R	Heat Sink	AF
	QCNW-5405CEZZ	J	Connecting Cord	AG
	QCNW-5406CEZZ	J	Connecting Cord	AC
	QCNW-5418CEZZ	J	Connecting Cord	AB
	LX-BZ3049GEFD	J	Screw	AA
	XNESD30-24000	J		AA

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BALLAST UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ IC1701	VHiM5T494P/-1	R	M5T494P	AL
⚠ IC1711	RH-FX0008GEZZ	J	PC123FY8	AE

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
⚠ Q1701	VS2SK1938//-1	J	2SK1938	AV
⚠ Q1702	VS2SA1680//-1	J	2SA1680	AD
⚠ Q1703	VS2SC4672Q/-1	J	2SC4672Q	AE
Q1704	VS2SC3624L51E	J	2SC3624	AD
Q1705	VS2SC1623L51E	J	2SC1623	AB
Q1707	VS2SC1623L51E	J	2SC1623	AB
Q1708	VS2SA812-M/1E	J	2SA812(M)	AC
Q1709	VS2SA812-M/1E	J	2SA812(M)	AC
Q1710	VS2SC1623L51E	J	2SC1623	AB
Q1711	VS2SA812-M/1E	J	2SA812(M)	AC
Q1712	VS2SA812-M/1E	J	2SA812(M)	AC

DIODES

Ref. No.	Part No.	★	Description	Code
⚠ D1700	RH-DX0485CEZZ	J	Diode	AG
D1701	VHDERA1802/-1	J	Diode	AB
⚠ D1703	RH-DX0434CEZZ	J	Diode	AK
D1705	RH-DX0107PEZZ	R	Diode	AG
D1706	VHDU1JU44//-1	J	Diode	AE
D1707	VHD1SS355//-1	J	Diode	AB
D1708	RH-DX0434CEZZ	J	Diode	AK
D1709	VHDU1JU44//-1	J	Diode	AE
D1710	VHD1R5NH41/-1	J	Diode	AF
D1711	VHD1R5NH41/-1	J	Diode	AF
D1712	VHD1SS355//-1	J	Diode	AB
D1714	VHD1SS355//-1	J	Diode	AB
D1715	VHD1SS355//-1	J	Diode	AB
D1716	VHDERA1802/-1	J	Diode	AB
D1717	VHD1SS355//-1	J	Diode	AB
D1750	RH-EX0743CEZZ	J	Zener Diode	AC
D1751	RH-EX0726CEZZ	J	Zener Diode	AC
D1752	RH-EX0726CEZZ	J	Zener Diode	AC
D1753	RH-EX0704CEZZ	J	Zener Diode	AD
D1754	RH-EX0704CEZZ	J	Zener Diode	AD
D1755	RH-EX0704CEZZ	J	Zener Diode	AD
⚠ D1756	VHSSF8JZ47/-1	J	Thyristor	BE
⚠ D1757	VHSSF8JZ47/-1	J	Thyristor	BE
D1758	VHSCR02AM//-1	J	Thyristor	AF

COILS AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ L1701	RCiLF0351CEZZ	J	Coil	AQ
⚠ L1702	RCiLF0352CEZZ	J	Coil	AQ
⚠ T1701	RTRNZ0169PEZZ	R	Transformer	BB
⚠ T1702	RDENU0007CEZZ	J	Transformer	BK
⚠ T1703	RTRNZ0170PEZZ	R	Transformer	BB

CONTROLS

Ref. No.	Part No.	★	Description	Code
R1790	RVR-M4786GEZZ	J	10k(B)	AB
R1791	RVR-M4786GEZZ	J	10k(B)	AB
R1792	RVR-M4788GEZZ	J	22k(B)	AB

CAPACITORS

Ref. No.	Part No.	★	Description			Code
⚠ C1701	RC-FZ032CUMZZ	J	0.22	AC250V	Film	AF
⚠ C1702	RC-FZ032CUMZZ	J	0.22	AC250V	Film	AF
⚠ C1704	RC-KZ0106GEZZ	J	3300p	2kV	Ceramic	AG
⚠ C1705	RC-EZ1285CEZZ	J	180	400V	Electrolytic	AS
⚠ C1706	RC-EZ1285CEZZ	J	180	400V	Electrolytic	AS
C1708	VCEA4A1VN107M	J	100	35V	Electrolytic	AC
⚠ C1709	VCKYPA3AB331K	J	330p	1kV	Ceramic	AC
⚠ C1710	RC-FZ1003CEZZ	J	2.2	400V	Film	AK
C1711	VCKYTV1HB333K	J	0.033	50V	Ceramic	AA
C1712	RC-FZ1004CEZZ	J	0.33	400V	Film	AH
C1713	RC-FZ1004CEZZ	J	0.33	400V	Film	AH
C1714	RC-FZ1005CEZZ	J	0.01	400V	Film	AD
C1715	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C1716	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C1717	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C1718	VCKYTV1EB473K	J	0.047	25V	Ceramic	AB
C1719	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C1720	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1721	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C1722	VCEAVA1HN106M	J	10	50V	Electrolytic	AB
C1723	VCEA4A1VN107M	J	100	35V	Electrolytic	AC
C1724	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
⚠ C1725	RC-FZ1006CEZZ	J	0.01	630V	Film	AF
⚠ C1726	VCKYPA3AB221K	J	220p	1kV	Ceramic	AC
⚠ C1727	RC-KZ0091GEZZ	J	2200p	1kV	Ceramic	AC
C1730	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
⚠ C1731	VCFYJU2GA224K	J	0.22	400V	Film	AG

RESISTORS

Ref. No.	Part No.	★	Description			Code
R1702	VRD-RM2HD474J	J	470k	1/2W	Carbon	AB
R1705	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
⚠ R1706	VRS-TV1JD2R2J	J	2.2	1/10W	Metal Oxide	AA
R1707	VRD-RA2BE220J	J	22	1/8W	Carbon	AA
R1708	VRD-RA2BE102J	J	1.0k	1/8W	Carbon	AA
R1709	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
⚠ R1710	RR-WZ0177CEZZ	J	0.05	2W	Cement	AE
R1711	VRD-RM2HD331J	J	330	1/2W	Carbon	AA
R1712	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1713	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R1714	RR-SZ0076CEZZ	J	8.2k	2W	Metal Film	AC
R1715	RR-SZ0076CEZZ	J	8.2k	2W	Metal Film	AC
R1716	RR-SZ0077CEZZ	J	22k	2W	Metal Film	AD
R1717	VRD-RM2HD474G	J	470k	1/2W	Carbon	AC
R1718	VRD-RA2BE393G	J	39k	1/8W	Carbon	AA
R1719	VRD-RA2BE473G	J	47k	1/8W	Carbon	AA
R1720	VRD-RM2HD472J	J	4.7k	1/2W	Carbon	AA
R1721	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R1722	VRD-RA2BE102J	J	1.0k	1/8W	Carbon	AA
R1723	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1724	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1725	VRD-RA2BE102J	J	1.0k	1/8W	Carbon	AA
R1726	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1727	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1728	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1729	VRD-RA2BE513J	J	51k	1/8W	Carbon	AA
R1730	VRS-TV1JD272F	J	2.7k	1/10W	Metal Oxide	AA
R1731	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1732	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R1733	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R1734	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R1735	VRS-TV1JD105J	J	1M	1/10W	Metal Oxide	AA
R1736	VRS-TV1JD105J	J	1M	1/10W	Metal Oxide	AA
R1737	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1738	VRS-TV1JD183F	J	18k	1/10W	Metal Oxide	AA
R1739	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1740	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1741	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1742	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1743	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R1747	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1748	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R1749	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1750	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1751	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1752	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1753	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1754	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R1755	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R1756	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R1757	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1758	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1759	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1760	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R1761	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R1762	VRS-TV1JD823J	J	82k	1/10W	Metal Oxide	AA
R1763	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
R1764	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1765	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R1766	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R1767	VRS-TV1JD821J	J	820	1/10W	Metal Oxide	AA
R1768	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA

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BALLAST UNIT (Continued)

	R1769	VRS-TV1JD102J	J	1.0k	1/10W	Metal Oxide	AA
⚠	R1770	VRC-UA2HG474K	J	470k	1/2W	Solid	AA
⚠	R1771	VRC-UA2HG474K	J	470k	1/2W	Solid	AA
	R1772	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
	R1774	VRS-TV1JD562F	J	5.6k	1/10W	Metal Oxide	AA
	R1793	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
	R1794	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
	R1795	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
	R1796	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
	R1797	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA

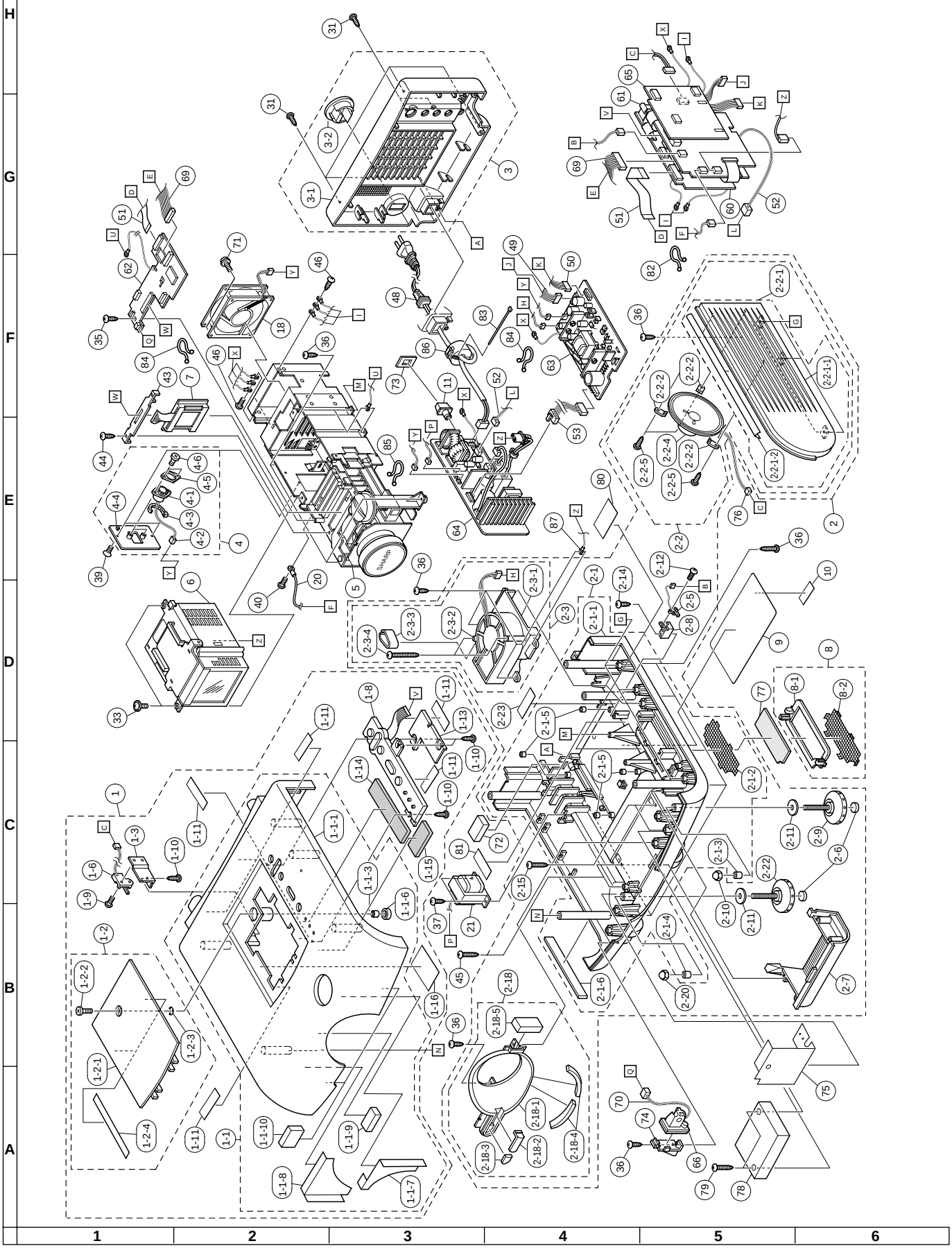
SWITCH

⚠	S1701	QSW-P0591CEZZ	J	Power	AQ

MISCELLANEOUS PARTS

⚠	F1701	QFS-C5027CEZZ	J	Fuse 5A 250V	AG
⚠	F1702	QFS-T0103CEZZ	J	Thermal Fuse	AE
	FH1701	QFSHD1009CEZZ	J	Fuse Holder	AA
	FH1702	QFSHD1010CEZZ	J	Fuse Holder	AA
	FB1701	RBLN-0036CEZZ	J	Ferrite Bead	AB
	FB1702	RBLN-0037CEZZ	J	Ferrite Bead	AB
	FB1703	RBLN-0037CEZZ	J	Ferrite Bead	AB
	FB1705	RBLN-0007CEZZ	J	Ferrite Bead	AB
	FB1706	RBLN-0007CEZZ	J	Ferrite Bead	AB
	FB1707	RBLN-0007CEZZ	J	Ferrite Bead	AB
	FB1708	RBLN-0007CEZZ	J	Ferrite Bead	AB
	P1701	QPLGN0467GEZZ	J	Plug, 4-pin (PL)	AB
	P1702	QPLGN0278GEZZ	J	Plug, 2-pin (D)	AA
	P1703	QPLGN0269GEZZ	J	Plug, 2-pin (PE)	AB
	P1704	QPLGN0453FJZZ	J	Plug, 2-pin (BA)	AC
	P1705	QPLGN0267GEZZ	J	Plug, 2-pin (PC)	AA
	P1706	QPLGN0859REZZ	J	Plug, 8-pin	AG
	SC1701	QSOCN0898REZZ	J	Socket, 8-pin	AE
	RDA1701	PRDAR0287PEFW	R	Heat Sink	AD
	RDA1702	PRDAR0288PEFW	R	Heat Sink	AG
		QCNW-5407CEZZ	J	Connecting Cord	AC
		QCNW-5408CEZZ	J	Connecting Cord	AB
		LX-BZ3049GEFD	J	Screw	AA

CABINET AND MECHANICAL PARTS/
GEHÄUSE UND MECHANISCHE BAUTEILE



CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Top Cabinet Ass'y	—
1-1	DBDYT0004WEK1	R	Top Cabinet Ass'y	BB
1-1-1	*Not Available*	–	Top Cabinet	—
1-1-3	*Not Available*	–	Outsert Nut	—
1-1-6	*Not Available*	–	Cover, x1	—
1-1-7	PSPAZ0021PE00	R	Spacer-Left, for Lens Cover	AE
1-1-8	PSPAZ0022PE00	R	Spacer-Right, for Lens Cover	AE
1-1-9	PMLT-0024PEZZ	R	Spacer	AB
1-1-10	PMLT-0021PEZZ	R	Spacer, x2	AC
1-2	CDORT0012WEK0	R	Lamp Cage Cover Ass'y	AS
1-2-1	*Not Available*	–	Lamp Cage Cover	—
1-2-2	LX-BZ3366CESC	J	Special Screw, x1	AF
1-2-3	XRESJ30-06000	J	E-Ring, x1	AA
1-2-4	PSHEF0001PE00	R	Spacer, x2	AB
1-3	LANGK0092PEFW	R	Leaf Switch Angle	AE
1-6	QCNW-4674CEZZ	J	Leaf Switch-1 (LL)	AK
1-8	*Not Available*	–	Operation Key Unit	—
1-9	XBPSF26P06000	J	Screw, x1, for Leaf Sw.	AA
1-10	XEBSD30P10000	J	Screw, x4	AA
1-11	PSPAT0002PEZZ	R	Teflon Tape, x6	AB
1-13	LHLDF0045PEKZ	R	Unit Holder	AF
1-14	PMLT-0022PEZZ	R	Spacer	AC
1-15	PMLT-0023PEZZ	R	Spacer	AC
1-16	PSPAT0001PEZZ	R	Teflon Tape	AD
2	*Not Available*	–	Bottom Cabinet Ass'y	—
2-1	DBDYU0004WEK1	R	Bottom Cabinet Ass'y	BB
2-1-1	*Not Available*	–	Bottom Cabinet	—
2-1-2	HPNC-0002PE00	R	Punching Plate	AH
2-1-3	*Not Available*	–	Outsert Nut-Right	—
2-1-4	*Not Available*	–	Outsert Nut-Left	—
2-1-5	*Not Available*	–	Outsert Nut, x4	—
2-1-6	PSPAH0151PE00	R	Spacer	AC
2-2	*Not Available*	–	Side Cover Ass'y	—
2-2-1	DCOVA0107WEK0	R	Side Cover (Right Side)	AU
2-2-1-1	*Not Available*	–	Side Cover	—
2-2-1-2	PSPAH0151PE00	R	Spacer	AC
2-2-2	LANGS0011PEFW	R	Speaker Angle, x3	AD
2-2-4	VSP0065PB228A	J	Speaker	AL
2-2-5	XEBSD30P08000	J	Screw, x3	AA
2-3	CDUC-0002WEK1	R	Intake Duct Ass'y	BD
2-3-1	*Not Available*	–	Intake Dukt	—
2-3-2	NFANS0001CE00	J	Cooling Fan (Intake Vent)	BB
2-3-3	LHLDW1019TAZZ	J	Wire Holder	AB
2-3-4	XUPSD40P40000	J	Screw, x2 for Fan	AB
2-5	QCNW-4961CEZZ	J	Leaf Switch-2 (LF)	AH
2-6	GLEGG9027CESB	J	Rubber Foot, x2	AB
2-7	JHNDP0011PEKA	R	Carrying Handle	AK
2-8	LANGQ0086PEFW	R	Cabinet/Leaf SW. Angle	AE
2-9	LX-BZ0012PESA	R	Adjuster-Right	AF
2-10	LX-NZ3095CEFD	J	Nut-Right	AA
2-11	PSPAH0140PE00	R	Adjuster Spacer, x2	AB
2-12	XBPSF26P06000	J	Screw, x1 for Leaf SW.	AA
2-14	XEBSD30P10000	J	Screw	AA
2-15	XEBSD30P16000	J	Screw, x2	AA
2-18	CCOVA0109WEK2	R	Lens Cover Ass'y	AT
2-18-1	*Not Available*	–	Lens Cover	—
2-18-2	GCOVA0111PESA	R	R/C Cover	AE
2-18-3	GCOVA0114PESA	R	Indication Cover	AK
2-18-4	PMLT-0022PEZZ	R	Spacer, x2	AC
2-18-5	PMLT-0024PEZZ	R	Spacer	AB
2-20	LX-NZ3123CEFE	J	Nut-Left	AD
2-22	LX-BZ0013PESA	R	Adjuster-Left	AF
2-23	PSPAT0002PEZZ	R	Teflon Tape	AB
3	CBDYR0004WEK0	R	Rear Cabinet Ass'y	AW
3-1	*Not Available*	–	Rear Cabinet	—
3-2	*Not Available*	–	AC Cord Cover	—
⚠ 4	CBiM-0001WEV2	R	Bimetal Ass'y	BA
⚠ 4-1	*Not Available*	–	Bimetal	—
4-2	QCNW-4724CEZZ	J	Connecting Wire	AF
4-3	LHLDW1033CEKZ	J	Wire Holder, x1	AA
4-4	LHLDZ0122PEKZ	R	Bimetal Board	AM
4-5	PSPAF0005PEFW	R	Bimetal Spacer	AE
4-6	LX-BZ3331CEFF	J	Screw, x2	AA
5	*Refer to Optics Mechanism Parts*			
⚠ 6	*Refer to Lamp/Cage Module Unit Parts*			
7	RLCDP0045CEZZ	J	LCD Module Unit	CY
8	CCOVA0108WEK0	R	Air Filter Cover Ass'y	AR
8-1	*Not Available*	–	Air Filter Cover	—
8-2	*Not Available*	–	Punching Plate	—
9	TLABM1520PESA	R	Indication Plate (For Europe)	AH
9	TLABM1521PESA	R	Indication Plate (For U.K.)	AH
9	TLABM1522PESA	R	Indication Plate (For Australia and New Zealand)	AH
10	TLABN0021PEZZ	R	Serial Number Label (For Europe)	AC
10	TLABN0022PEZZ	R	Serial Number Label (For U.K.)	AC
10	TLABN0023PEZZ	R	Serial Number Label (For Australia and New Zealand)	AC
11	JKNBP0011PESA	R	Button, Main Power Switch	AD
18	NFANR0076CE00	J	Cooling Fan (Exhaust Vent)	AT
20	RH-HZ0053CEZZ	J	Thermistor-1	AM
⚠ 21	RTRNC0075CEZZ	J	Choke Trans.	AX
31	LX-TZ3090CESA	J	Screw for Rear Cab., x6	AC
33	XBPSD40P10JS0	J	Screw, x2 for Lamp Case	AA
35	XEBSD30P08000	J	Screw, x1 for Output Unit	AA
36	XEBSD30P10000	J	Screw, x19	AA
37	XEBSD40P08000	J	Screw, x2 for Choke Trans.	AA
39	XBSSD30P06000	J	Screw, x2	AA
40	XBBSD30P06000	J	Screw	AA
43	LHLDZ0119PEKZ	R	Panel Holder	AD
44	XJPSF30P08000	J	Screw, x1 for Panel Holder	AA
45	XEBSD30P16000	R	Screw, x2	AA
46	XHPSD30P08WS0	R	Screw, x2	AA
⚠ 48	QACCV2001PEZZ	R	AC Cord (for Europe)	AN
⚠ 48	QACCB9000PEZZ	R	AC Cord (for U.K.)	AX
⚠ 48	QACCL3015PEZZ	R	AC Cord (For Australia and New Zealand)	AR
49	QCNW-4841CEZZ	J	Connecting Wire 7-pin (EB)	AG
50	QCNW-4995CEZZ	J	Connecting Wire 8-pin (EA)	AH
51	QCNW-4997CEZZ	J	Connecting Wire 30-pin Main — Output	AH
52	QCNW-4996CEZZ	J	Connecting Wire 2-pin (D)	AE
53	95KECB7756ZZ	J	Connecting Wire 4-pin (PL)	AP
60	*Not Available*	–	Main Unit	—
61	*Not Available*	–	Sub Unit	—
62	*Not Available*	–	Output Unit	—
63	*Not Available*	–	Power Unit	—
64	*Not Available*	–	Ballast Unit	—
65	*Not Available*	–	Signal Unit	—
66	*Not Available*	–	R/C Receiver Unit	—
69	QCNW-4998CEZZ	J	Connecting Wire (CA)	AK
70	QCNW-4823CEZZ	J	Connecting Wire (RA)	AE
71	LX-BZ3397CEFD	J	Screw, x2 for Exhaust Fan	AA
72	PMLT-0020PEZZ	R	Spacer	AB
73	PSHEP0002PE00	R	Cover for Button	AC
74	LHLDF0043PEKZ	R	R/C Holder	AE
75	PSHEP0001PE00	R	Shielding Plate	AK
76	QCNW-4957CEZZ	J	Speaker Lead Wire (SP)	AE
77	PFiLD0003PEZZ	R	Intake Air Filter	AD
78	LANGH0026PEFD	R	Bracket	AP
79	XJBSD30P25000	R	Screw, x2	AA

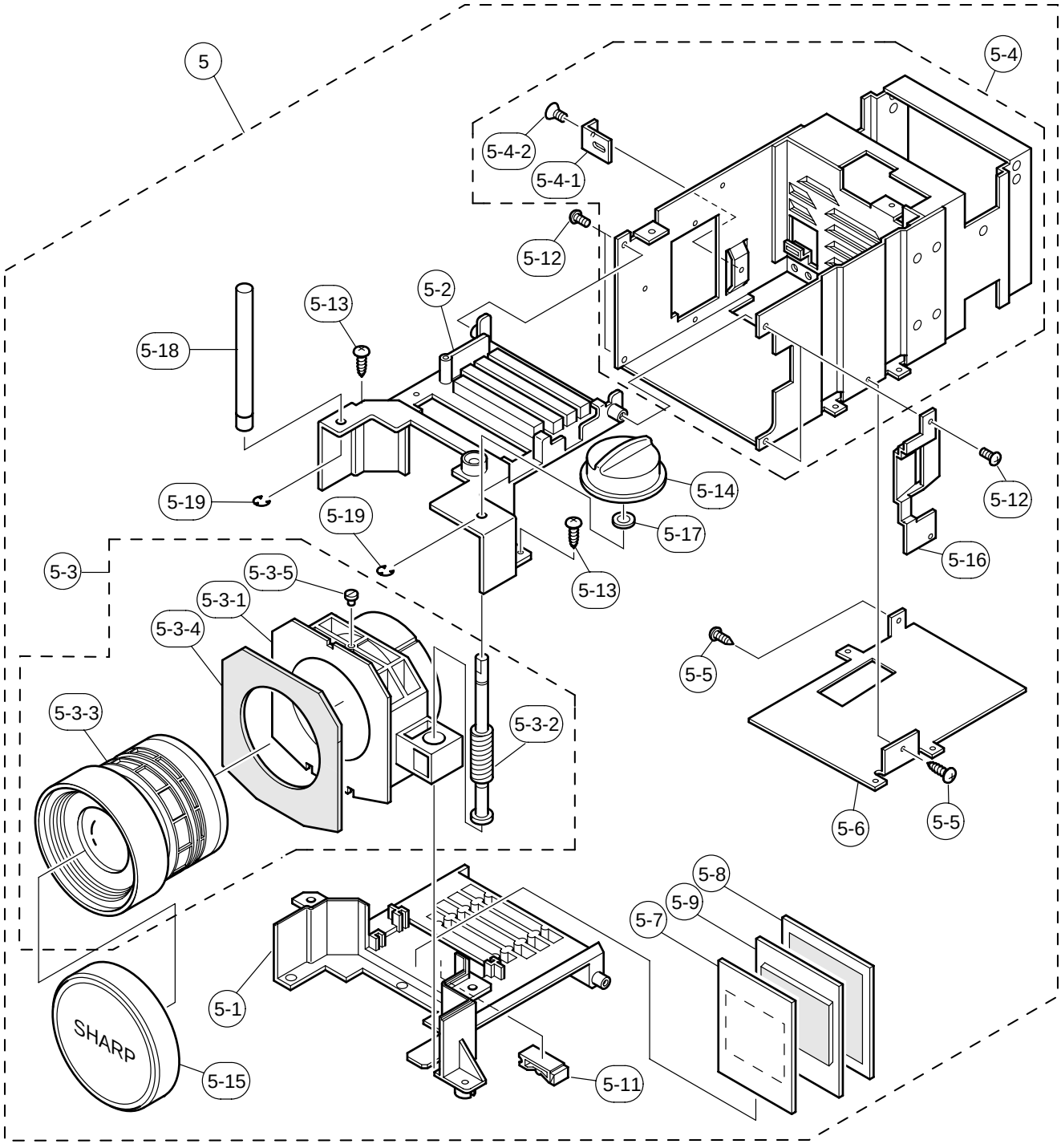
CABINET AND MECHANICAL PARTS (Continued)

Ref. No.	Part No.	★	Description	Code
80	PSPAT0001PEZZ	R	Teflon Tape	AD
81	PSPAT0002PEZZ	R	Teflon Tape	AB
82	LHLDW1003GEZZ	J	Wire Holder	AA
83	LHLDW1033CEKZ	J	Wire Holder	AA
84	LHLDW1060CEZZ	J	Wire Holder, x2	AB
85	LHLDW1064CEZZ	J	Wire Holder	AB
86	RCORF0056CEZZ	J	AC Cord Core	AP
87	RH-HZ0054CEZZ	J	Thermistor-2	AM

OPTICS MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
5	CCHSK0068CEK2	J	Optics Mecha. Ass'y	CE
5-1	LCHSK0055CEKZ	J	Optical Box, Bottom	AR
5-2	LCHSK0056CEKZ	J	Optical Box, Top	AQ
5-3	CLNS-0120CE01	J	Shift Mecha. Ass'y	BU
5-3-1	LHLDZ0103CEKZ	J	Shift Mecha. Base	AQ
5-3-2	NSFTD0007CEFW	J	Shift Screw	AN
5-3-3	PLNS-0124CEZZ	J	Projection Lens	BS
5-3-4	PMLT-0303CE00	J	Light Shielding Sheet	AE
5-3-5	LX-TZ0102CEFW	J	Special Screw	AG
5-4	CHLDZ3055CE01	J	Lamp House Ass'y	AZ
5-4-1	LANGT9001CEFW	J	Lamp Socket Angle	AF
5-4-2	XBSSD30P04000	J	Screw, x1	AA
5-5	XBPSF30P06000	J	Screw, x2 for Cover	AA
5-6	PCOVW9004CEZZ	J	Cover	AL
5-7	PFiLW0179CEZZ	J	Polarizer Output Plate	BC
5-8	PFiLW0197CEZZ	J	Heat Managiment Plate	BP
5-9	PFiLW0173CEZZ	J	Polarizer Input Plate	BA
5-11	LHLDW1173CEZZ	J	Wire Holder	AD
5-12	XJPSF30P06000	J	Screw, x4	AA
5-13	XJPSF30P08000	J	Screw, x2	AA
5-14	JKNBZ1079CESC	J	Lens Shift Dial	AH
5-15	PCAPH1061CESB	J	Lens Cap	AH
5-16	PDUC-0078CEFW	J	Duct	AC
5-17	PSPAZ028CEZZ	J	Spacer	AH
5-18	NSFTD0008CEFW	J	Guide Bar	AH
5-19	XRESJ40-06000	J	E-Ring, x2	AA

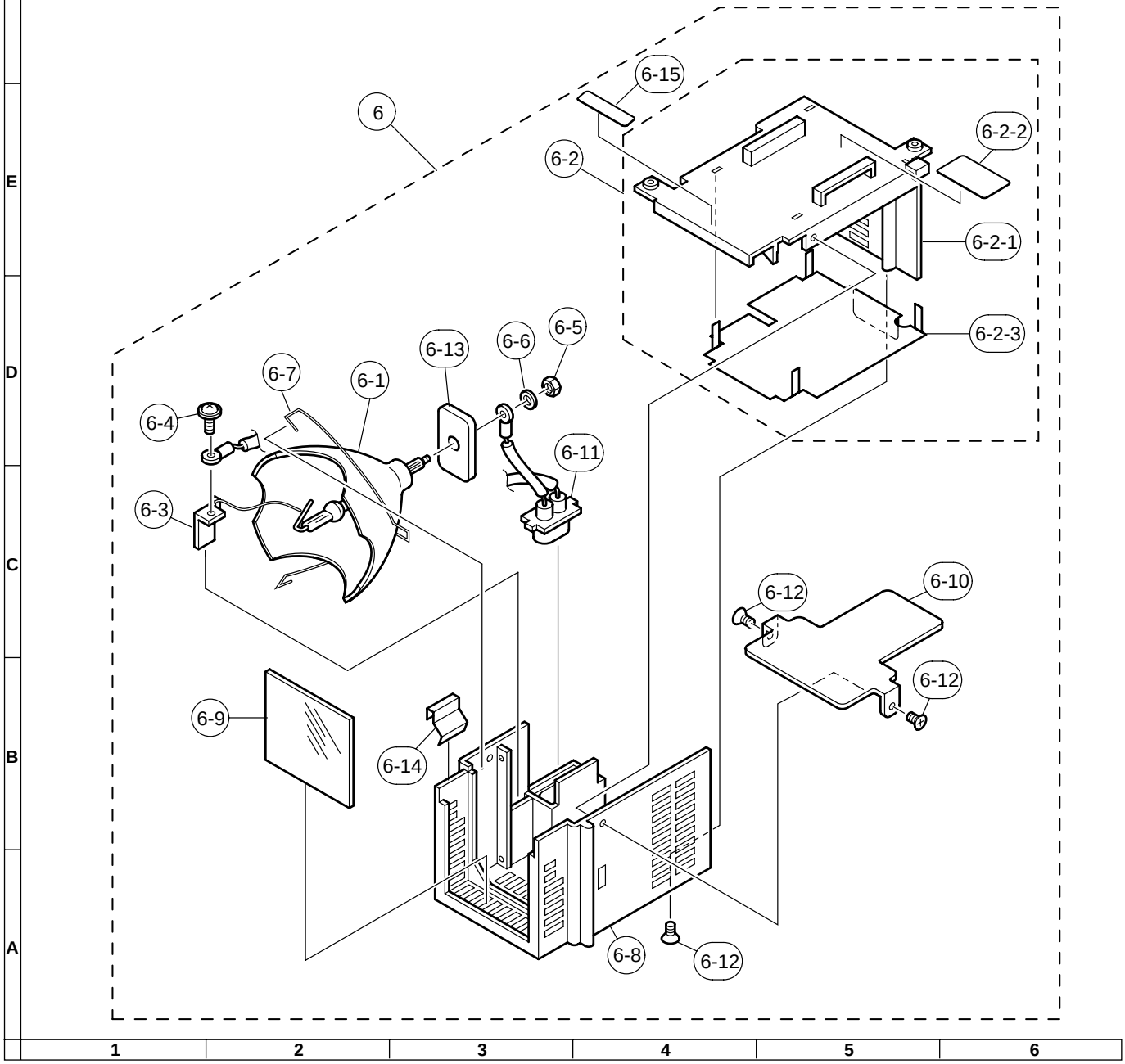
OPTICS MECHANISM PARTS/TEILE FÜR OPTIKMECHANISMUS



LAMP/CAGE MODULE UNIT PARTS

Ref. No.	Part No.	★	Description	Code
⚠ 6	BQC-XVC20E//2	J	Lamp/Cage Module Unit	CG
⚠ 6-1	CLMPF0053DE01	J	Lamp/Mirror Ass'y	CC
6-2	CCASZ1030CE02	J	Lamp Case Ass'y, Upper	AW
6-2-1	*Not Available*	–	Lamp Case, Upper	—
6-2-2	TLABZ0626CEZZ	J	Label	AC
6-2-3	PSLDH3064CEFW	J	Heat Sink	AE
6-3	LANGQ9192CEFN	J	Angle	AF
6-4	LX-BZ3270CEFN	J	Screw, x1	AA
6-5	LX-NZ3108CEFN	J	Nut, x1	AA
6-6	LX-WZ3102CEFN	J	Washer, x1	AA
6-7	MSPRB0031CEFW	J	Spring, x1	AD
6-8	PCASZ1030CEKZ	J	Lamp Case, Lower	AS
6-9	PFiLW0194CEZZ	J	UV/IR Filter	BB
6-10	PRDAR1531CEFW	J	Heat Sink	AB
6-11	QPLGN0156FJZZ	J	Plug	AN
6-12	XBSSD30P06000	J	Screw, x3	AA
6-13	PSLDH3053CEFW	J	Heat Sink	AE
6-14	MSPRK0058CEFW	J	Spring for Glass	AD
6-15	TLABZ0736CEZZ	J	Parts Code Label	AD

LAMP/CAGE MODULE UNIT PARTS/
TEILE DER LAMPEN/KÄFIGMODULEINHEIT



Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

ACCESSORIES

Ref. No.	Part No.	★	Description	Code
⚠	QACCV2001PEZZ	R	AC Cord (For Europe)	AN
⚠	QACCB9000PEZZ	R	AC Cord (For U.K.)	AX
⚠	QACCL3015PEZZ	R	AC Cord (For Australia and New Zealand)	AR
	TCADH0016PEZZ	R	Operation Guide (For Europe and U.K.)	AE
	RRMCG1541PESA	R	Infrared R/C Unit	BD
	TiNS-6736PEZZ	R	Operation Manual	AX

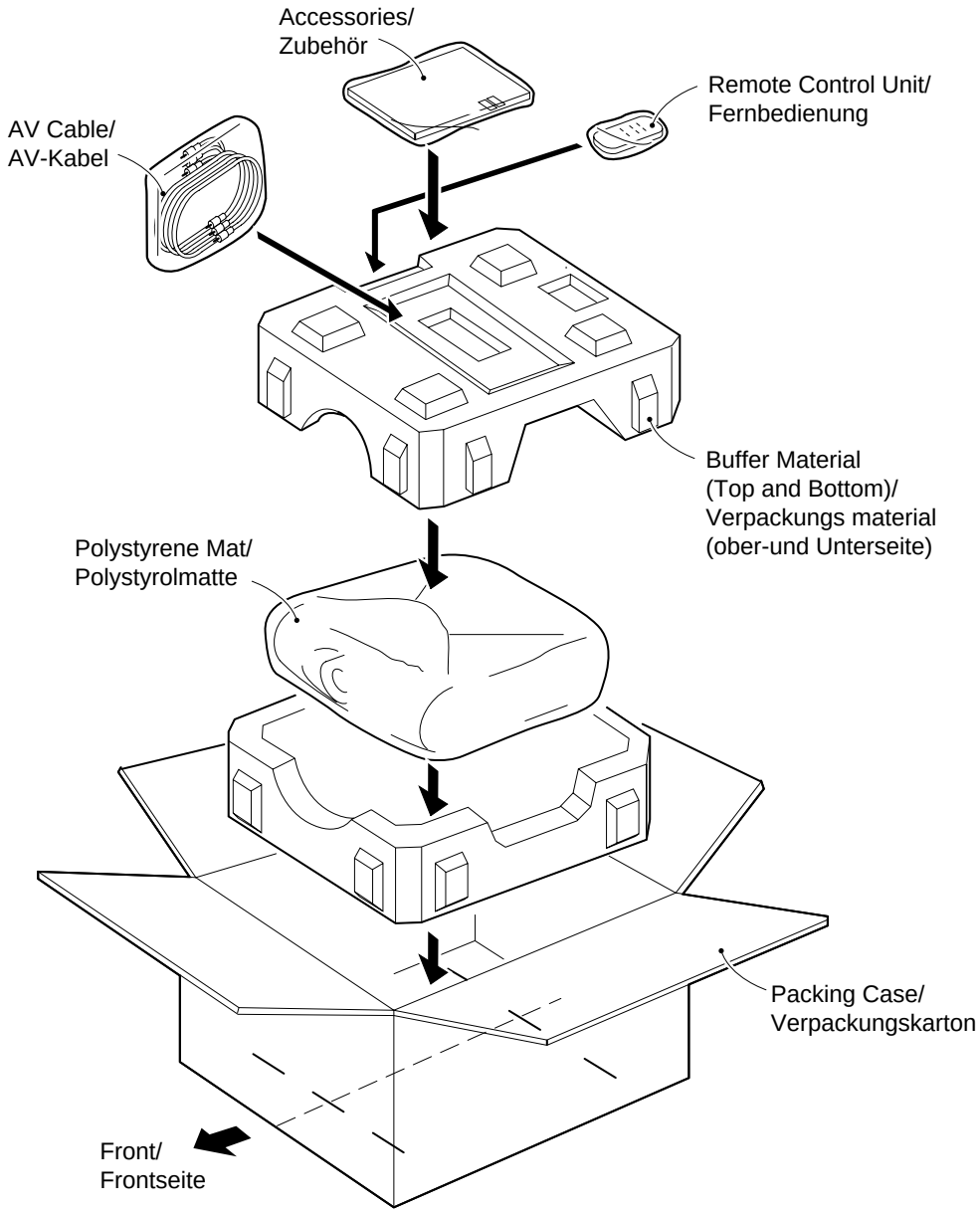
ACCESSORIES (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	TCADE0002PEZZ	–	Register Card (For Europe)	—
	TGAN-0068PEZZ	–	Guarantee Card (For Australia and New Zealand)	—

PACKING PARTS (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC6539PEZZ	–	Packing Case	—
	SPAKP0145PEZZ	–	Polystyrene Mat	—
	SPAKX2716PEZZ	–	Buffer Material	—
	TLABK0002PEZZ	–	Number Card	—
	TLABN0001PEZZ	–	Serial Number Label	—

PACKING OF THE SET / VERPACKEN DES GERÄTS



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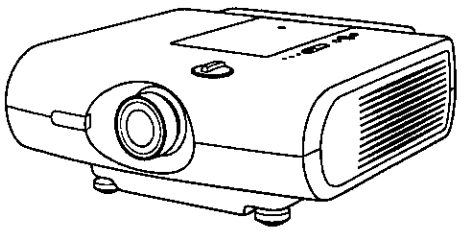
SHARP SERVICE MANUAL SERVICE-ANLEITUNG

S68S1XV-C20E/

SUPPLEMENT ERGÄNZUNG



PAL/SECAM/NTSC SYSTEM
LCD PROJECTOR
LCD PROJEKTOR

MODEL
MODELL **XV-C20E**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzer-Sicherheit (in einigen Länder durch Sicherheitzvorschriften gefordert) sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.

OUTLINE

There are errors in the CABINET AND MECHANICAL PARTS list and the EXPLODED VIEW of the XV-C20E Service Manual. This SUPPLEMENT has been issued to cover their corrections.

Note: The page numbers in parentheses are of the XV-C20E Service Manual.

Grundriß

In der Líste für "GEHÄUSE UND MECHANISCHE BAUTELLE" sowie "PERSPEKTIVISCHE DARSTELLUNG" für die Service-Anleitung befinden sich einige Fehler. Diese ERGÄNZUNG dient zur Korrektur dieser Fehler.

Hinweis: Die in Klammern stehenden Seitennummern sind für die Service-Anleitung des Modells XV-C20E bestimmt.

SHARP CORPORATION

CORRECTION OF THE PARTS LIST

WRONG					CORRECT
Ref. No.	Part No.	★	Description	Code	What to do
1-1-2	HiNDP4637CESL	J	Lens Caution Label	AD	Delete
1-1-4	PSPAH0549CE00	J	Spacer, x1	AB	Delete
1-1-5	RMLT-0306CEZZ	J	Spacer, x1	AD	Delete
1-5	PZETK0036CEZZ	J	Leaf Sw. Terminal Shield	AC	Delete
1-11	PSPAT0010CEZZ	J	Teflon Tape, x4	AA	Delete
1-12	PSPAT0003CEZZ	J	Teflon Tape, x1	AA	Delete
2-3-1	*Not Available*	–	Intake Duct	—	Delete
2-3-3	PSPAZ0261CEZZ	J	Spacer, x2	AD	Delete
2-3-5	PSPAT0011CEZZ	J	Teflon Tape, x2	AL	Delete
2-5	CCOVA1753CEK1	J	Handle Cover (Left Side)	AS	Delete
2-16	PSPAT0003CEZZ	J	Teflon Tape, x2	AA	Delete
3-1-2	GCOVH1306CEKA	J	AC Cord Cover	AD	Ref. No. to be 3-2.
10	HiNDP4966CEZZ	J	Serial Number Label	AD	Delete
14	LHLDW1060CEZZ	J	Wire Holder, x1	AB	Delete
15	LHLDZ2044CEKZ	J	Holder	AD	Delete
16	LHLDW1003GEZZ	J	Wire Holder, x1	AA	Delete
22	TLABS0219CESA	J	C-Check Mark Label	AD	Delete
68	PMLT-0317CEZZ	J	Spacer, x1	AB	Delete

CORRECTION OF THE EXPLODED VIEW

WRONG	CORRECT	
—	Ref. No.(2-2-3) to be added.	(Coordinate axis: B-8)
Ref. No.(3-2-5)	Ref. No. to be (2-2-5)	(Coordinate axis: C-8)
Ref. No.⑥	Ref. No. to be ⑤	(Coordinate axis: E-7)
Ref. No.⑦	Ref. No. to be ⑥	(Coordinate axis: G-7)
Ref. No.⑧	Ref. No. to be ⑦	(Coordinate axis: G-9)
—	Ref. No.⑰ to be added.	(Coordinate axis: C-1)

KORREKTUR DER TELLELISTE

FALSCH					RICHTIG
Ref. No.	Part No.	★	Description	Code	Lösung
1-1-2	HiNDP4637CESL	J	Lens Caution Label	AD	Löschen
1-1-4	PSPAH0549CE00	J	Spacer, x1	AB	Löschen
1-1-5	RMLT-0306CEZZ	J	Spacer, x1	AD	Löschen
1-5	PZETK0036CEZZ	J	Leaf Sw. Terminal Shield	AC	Löschen
1-11	PSPAT0010CEZZ	J	Teflon Tape, x4	AA	Löschen
1-12	PSPAT0003CEZZ	J	Teflon Tape, x1	AA	Löschen
2-3-1	*Not Available*	–	Intake Duct	—	Löschen
2-3-3	PSPAZ0261CEZZ	J	Spacer, x2	AD	Löschen
2-3-5	PSPAT0011CEZZ	J	Teflon Tape, x2	AL	Löschen
2-5	CCOVA1753CEK1	J	Handle Cover (Left Side)	AS	Löschen
2-16	PSPAT0003CEZZ	J	Teflon Tape, x2	AA	Löschen
3-1-2	GCOVH1306CEKA	J	AC Cord Cover	AD	Änderung der Bezugsnummer zu 3-2
10	HiNDP4966CEZZ	J	Serial Number Label	AD	Löschen
14	LHLDW1060CEZZ	J	Wire Holder, x1	AB	Löschen
15	LHLDZ2044CEKZ	J	Holder	AD	Löschen
16	LHLDW1003GEZZ	J	Wire Holder, x1	AA	Löschen
22	TLABS0219CESA	J	C-Check Mark Label	AD	Löschen
68	PMLT-0317CEZZ	J	Spacer, x1	AB	Löschen

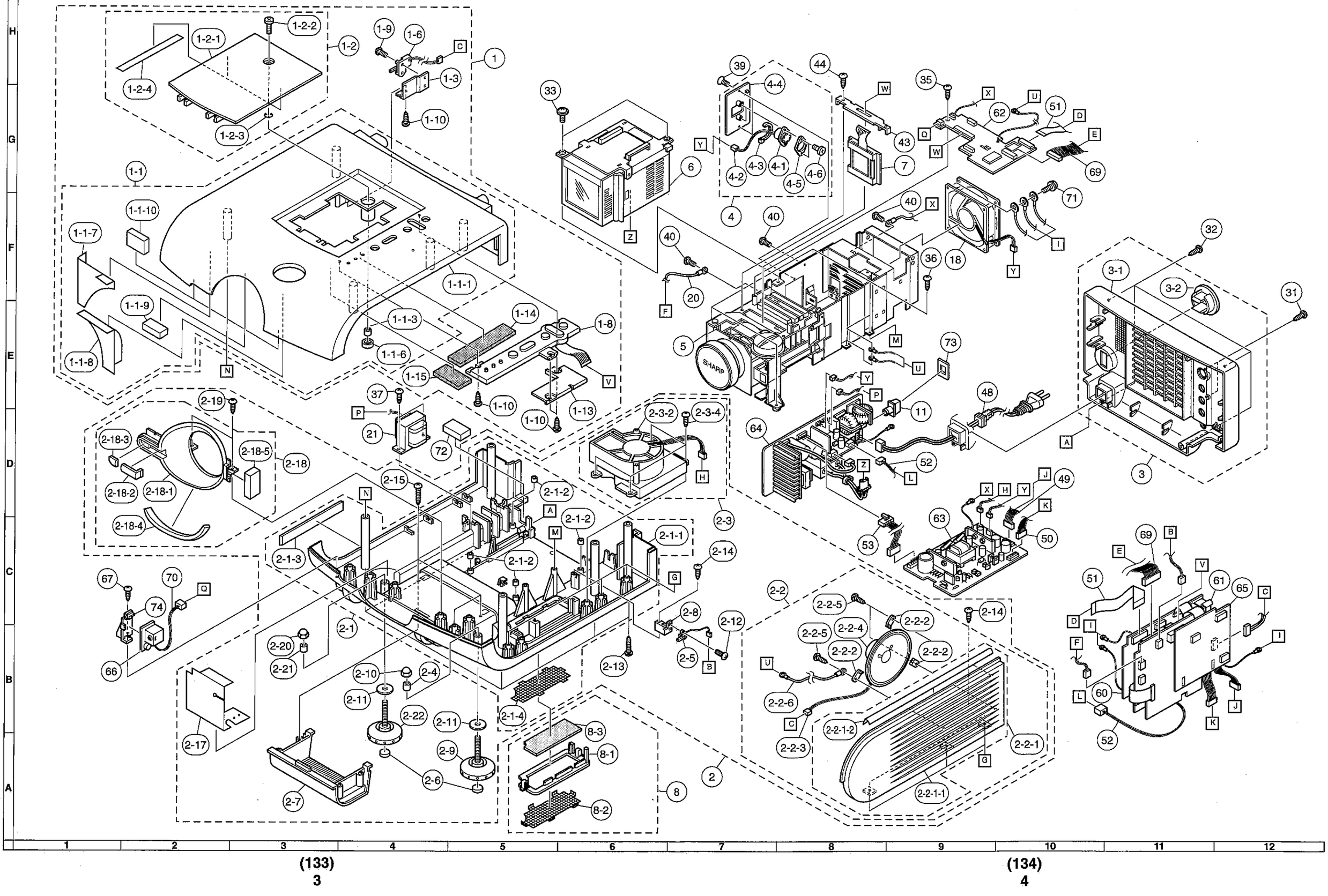
KORREKTUR DER PERSPEKTIVISCHEN DARSTELLUNG

FALSCH	RICHTIG	
—	Hinzufügung der Bezugsnummer zu (2-2-3)	(Koordinatenachse: B-8)
Ref. No.(3-2-5)	Änderung der Bezugsnummer zu (2-2-5)	(Koordinatenachse: C-8)
Ref. No.⑥	Änderung der Bezugsnummer zu ⑤	(Koordinatenachse: E-7)
Ref. No.⑦	Änderung der Bezugsnummer zu ⑥	(Koordinatenachse: G-7)
Ref. No.⑧	Änderung der Bezugsnummer zu ⑦	(Koordinatenachse: G-9)
—	Hinzufügung der Bezugsnummer zu ⑰	(Koordinatenachse: C-1)

XV-C20E	XV-C20E
SUPPLEMENT	SUPPLEMENT

CORRECT/RICHTIG

CABINET AND MECHANICAL PARTS/GEHÄUSE UND MECHANISCHE BAUTEILE



(133)
3

(134)
4

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Top Cabinet Ass'y	—
1-1	DBDYT1098CEK1	J	Top Cabinet Ass'y	BB
1-1-1	*Not Available*	–	Top Cabinet	—
1-1-3	LX-NZ3102CEFW	J	Outsert Nut	AB
1-1-6	PCAPH1045CE08	J	Cover, x1	AD
1-1-7	PSPAV0182CEZZ	J	Spacer-Left, for Lens Cover	AE
1-1-8	PSPAV0183CEZZ	J	Spacer-Right, for Lens Cover	AE
1-1-9	PMLT-0332CEZZ	J	Spacer	AB
1-1-10	PMLT-0328CEZZ	J	Spacer, x2	
1-2	CDORT1080CEK1	J	Lamp Cage Cover Ass'y	AS
1-2-1	*Not Available*	–	Lamp Cage Cover	—
1-2-2	LX-BZ3274CESK	J	Special Screw, x1	AF
1-2-3	XRESJ30-06000	J	E-Ring, x1	AA
1-2-4	PSHEF0004CEZZ	J	Spacer, x2	AB
1-3	LANGK0623CEFW	J	Leaf Switch Angle	AE
1-6	QCNW-4674CEZZ	J	Leaf Switch-1 (LL)	AK
1-8	*Not Available*	–	Operation Key Unit	—
1-9	XBPSF26P06000	J	Screw, x1, for Leaf Sw.	AA
1-10	XEBSD30P10000	J	Screw, x4	AA
1-13	LHLDF1190CEKZ	J	Unit Holder	AF
1-14	PMLT-0329CEZZ	J	Spacer	AC
1-15	PMLT-0330CEZZ	J	Spacer	AC
2	*Not Available*	–	Bottom Cabinet Ass'y	—
2-1	DBDYU1080CEK1	J	Bottom Cabinet Ass'y (For Europe)	BB
2-1	DBDYU1080CEK2	J	Bottom Cabinet Ass'y (For U.K.)	BB
2-1	DBDYU1080CEK3	J	Bottom Cabinet Ass'y (For Australia and New Zealand)	BB
2-1-1	*Not Available*	–	Bottom Cabinet	—
2-1-2	LX-NZ3144CEFW	J	Outsert Nut, x4	AC
2-1-3	PSPAH0596CE00	J	Spacer	AC
2-1-4	HPNC-0437CEZZ	J	Punching Plate	AH
2-2	*Not Available*	–	Side Cover Ass'y	—
2-2-1	DCOVA1745CEK1	J	Side Cover (Right Side)	AU
2-2-1-1	*Not Available*	–	Side Cover	—
2-2-1-2	PSPAH0596CE00	J	Spacer	AC
2-2-2	LANGS0116CEFW	J	Speaker Angle, x3	AD
2-2-3	QCNW-4957CEZZ	J	Speaker Lead Wire (SP)	AE
2-2-4	VSP0065PB228A	J	Speaker	AL
2-2-5	XEBSD30P06000	J	Screw, x3	AA
2-2-6	QCNW-4924CEZZ	J	Earth Lead Wire	AF
2-3	CDUC-0072CEK0	J	Intake Duct Ass'y	BD
2-3-2	NFANS0001CE00	J	Cooling Fan (Intake Vent)	BB
2-3-4	XEPSD40P35000	J	Screw, x4 for Fan	AA
2-4	LX-NZ3120CEFW	J	Outsert Nut-Right	AB
2-5	QCNW-4740CEZZ	J	Leaf Switch-2 (LF)	AN
2-6	GLEGG9027CESB	J	Rubber Foot, x2	AB
2-7	GCOVH1305CEKA	J	Carrying Handle	AK
2-8	LANGK0643CEFW	J	Cabinet/Leaf Sw. Angle	AF
2-9	LX-BZ3389CESA	J	Adjuster-Right	AF
2-10	LX-NZ3095CEFD	J	Nut-Right	AA
2-11	PSPAH0393CE00	J	Adjuster Spacer, x2	AA
2-12	XBPSF26P06000	J	Screw, x1 for Leaf SW.	AA
2-13	XEBSD30P08000	J	Screw, x5	AA
2-14	XEBSD30P10000	J	Screw, x4	AA
2-15	XEBSD30P16000	J	Screw, x4	AA
2-17	PSHEP0151CEZZ	J	Shielding Plate	AK
2-18	CCOVA1753CEK1	J	Lens Cover Ass'y	AS
2-18-1	*Not Available*	–	Lens Cover	—
2-18-2	GCOVA1752CESA	J	R/C Cover	AE
2-18-3	HiNDP5133CESA	J	Indication Cover	AK
2-18-4	PMLT-0324CEZZ	J	Spacer	
2-18-5	PMLT-0332CEZZ	J	Spacer	AB
2-19	XEBSD30P10000	J	Screw, x2 for Lens Cover	AA
2-20	LX-NZ3123CEFE	J	Nut-Left	AD
2-21	LX-NZ3122CEFW	J	Outsert Nut-Left	AC
2-22	LX-BZ3392CESA	J	Adjuster-Left	AF
3	CBDYR1070CEK1	J	Rear Cabinet Ass'y	AW
3-1	*Not Available*	–	Rear Cabinet	—
3-2	GCOVH1306CEKA	J	AC Cord Cover	AD
⚠ 4	CBiM-0001DE26	J	Bimetal Ass'y	BA
⚠ 4-1	*Not Available*	–	Bimetal	—
4-2	QCNW-4724CEZZ	J	Connecting Wire	AF
4-3	LHLDW1033CEKZ	J	Wire Holder, x1	AA
4-4	LHLDZ1012CEKZ	J	Bimetal Board	AK
4-5	PSPAF0024CEFW	J	Bimetal Spacer	AE
4-6	LX-BZ3331CEFF	J	Screw, x2	AA
5	*Refer to Optics Mechanism Parts*			
⚠ 6	*Refer to Lamp/Cage Module Unit Parts*			
7	RLCDP0045CEZZ	J	LCD Module Unit	CY
8	CCOVA1746CEK1	J	Air Filter Cover Ass'y	AR
8-1	*Not Available*	–	Air Filter Cover	—
8-2	HPNC-0434CESA	J	Punching Plate	AH
8-3	PFiLD0070CEZZ	J	Intake Air Filter	
11	JKNBP1065CESB	J	Button, Main Power Switch	AC
18	NFANR0076CE00	J	Cooling Fan (Exhaust Vent)	AT
20	RH-HZ0053CEZZ	J	Thermistor	AM
⚠ 21	RTRNC0075CEZZ	J	Choke Trans.	AX
31	LX-TZ3090CESA	J	Screw, x5 for Rear Cab.	AC
32	LX-BZ3374CESA	J	Screw, x1 for Rear Cab.	AC
33	XBPSD40P12JS0	J	Screw, x2 for Lamp Case	AA
35	XEBSD30P08000	J	Screw, x1 for Control Unit	AA
36	XEBSD30P10000	J	Screw, x6 for Optics Mech.	AA
37	XEBSD40P08000	J	Screw, x2 for Choke Trans.	AA
39	XBSSD30P06000	J	Screw, x2	AA
40	XBBSD30P06000	J	Screw, x2	AA
43	LHLDZ2015CEKZ	J	Panel Holder	AD
44	XJPSF30P08000	J	Screw, x1 for Panel Holder	AA
⚠ 48	QACCV2017CESA	J	AC Cord (for Europe)	AN
⚠ 48	CACCB9014CE02	J	AC Cord (for U.K.)	AX

CABINET AND MECHANICAL PARTS (Continued)

Ref. No.	Part No.	★	Description	Code
⚠ 48	QACCL3027CESA	J	AC Cord (For Australia and New Zealand)	AR
49	QCNW-4841CEZZ	J	Connecting Wire 7-pin (EB)	AG
50	QCNW-4995CEZZ	J	Connecting Wire 8-pin (EA)	AH
51	QCNW-4997CEZZ	J	Connecting Wire 30-pin Main — Output	AH
52	QCNW-4996CEZZ	J	Connecting Wire 2-pin (D)	AE
53	95KECB7756ZZ	J	Connecting Wire 4-pin (PL)	AP
60	*Not Available*	–	Main Unit	—
61	*Not Available*	–	Sub Unit	—
62	*Not Available*	–	Output Unit	—
63	*Not Available*	–	Power Unit	—
64	*Not Available*	–	Ballast Unit	—
65	*Not Available*	–	Signal Unit	—
66	*Not Available*	–	R/C Receiver Unit	—
67	LX-TZ3024CEFD	J	Screw, x1 for R/C Unit	AA
69	QCNW-4998CEZZ	J	Connecting Wire (CA)	AK
70	QCNW-4823CEZZ	J	Connecting Wire (RA)	AE
71	LX-BZ3397CEFD	J	Screw, x2 for Exhaust Fan	AA
72	PMLT-0327CEZZ	J	Spacer	AB
73	PSHEP0158CEZZ	J	Cover for Button	AC
74	LHLDF1191CEKZ	J	R/C Holder	

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